

⁽¹²⁾ **UK Patent Application** ⁽¹⁹⁾ **GB** ⁽¹¹⁾

2 154 429 A

(43) Application published 11 Sep 1985

(21) Application No 8405203

(22) Date of filing **27 Feb 1984**

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(51) INT CL³
A47B 57/52

(52) Domestic classification
A4B 1F 1G 1X 3B 5A7X

(56) Documents cited

GB 1531132	GB 1311960	GB 0792621
GB 0764358	GB 0720133	GB 0478995
GB 0375504		

(58) Field of search
A4B

(54) Shelving system

(57) A shelving system includes an upright (22) on which may be supported a plurality of shelf supports (28). The upright (22) has a ridge (24) for mating with a complementary groove (26) formed in the shelf support. A pin (30) engages a slot (32) to secure the bracket to the upright. In an alternative embodiment (Fig. 1,) the ridge and complement are of dovetail cross section and the slots 32 are replaced by apertures, the pin being inserted after the bracket has been slid to the desired location.

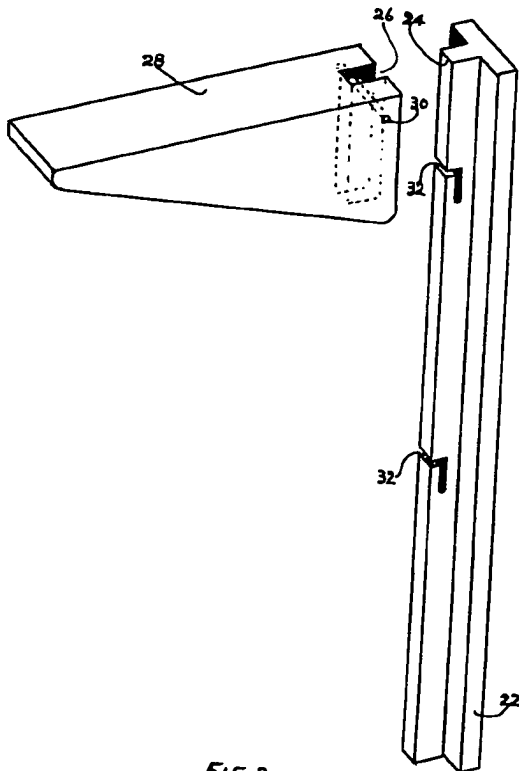


FIG 2

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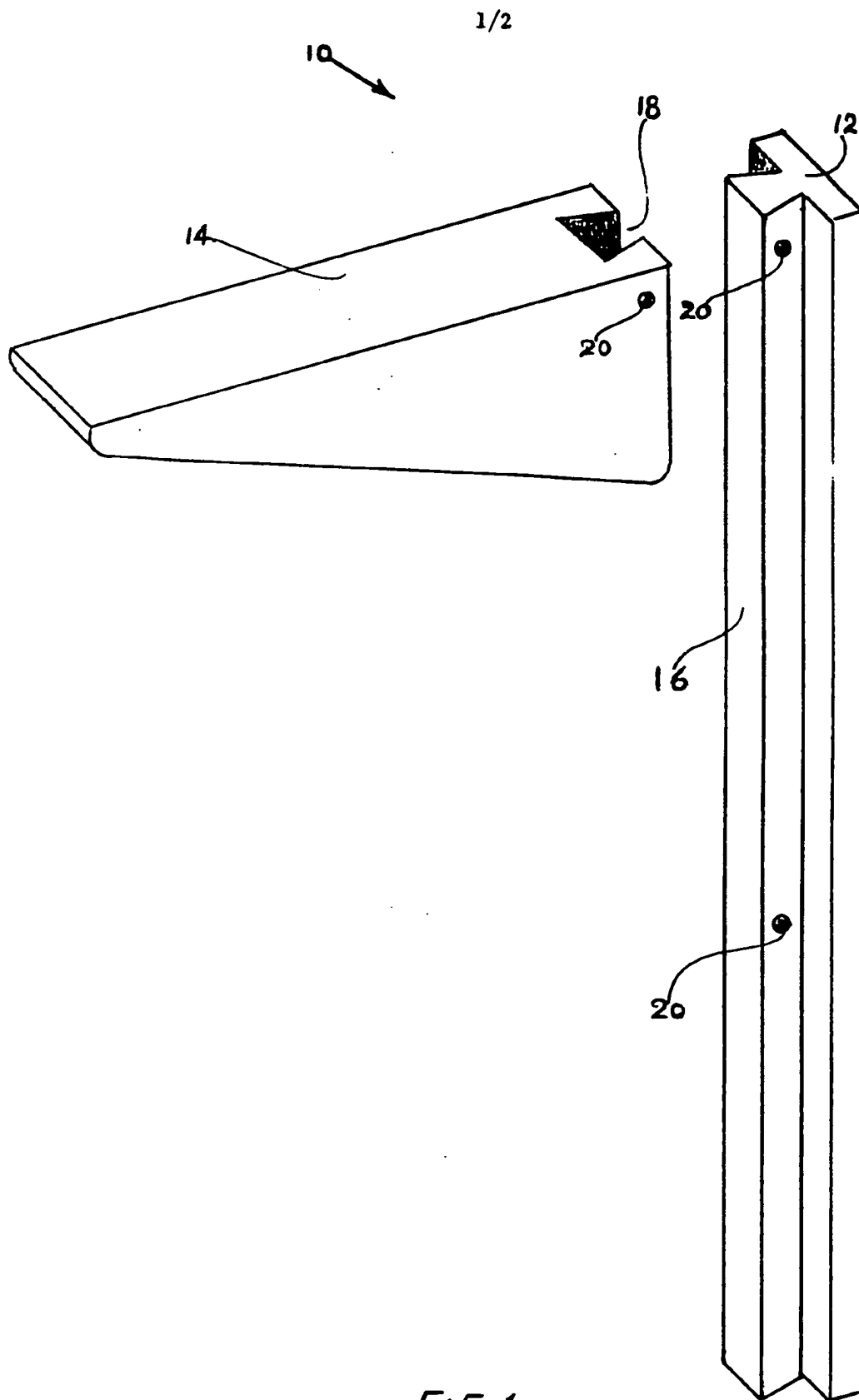


FIG 1

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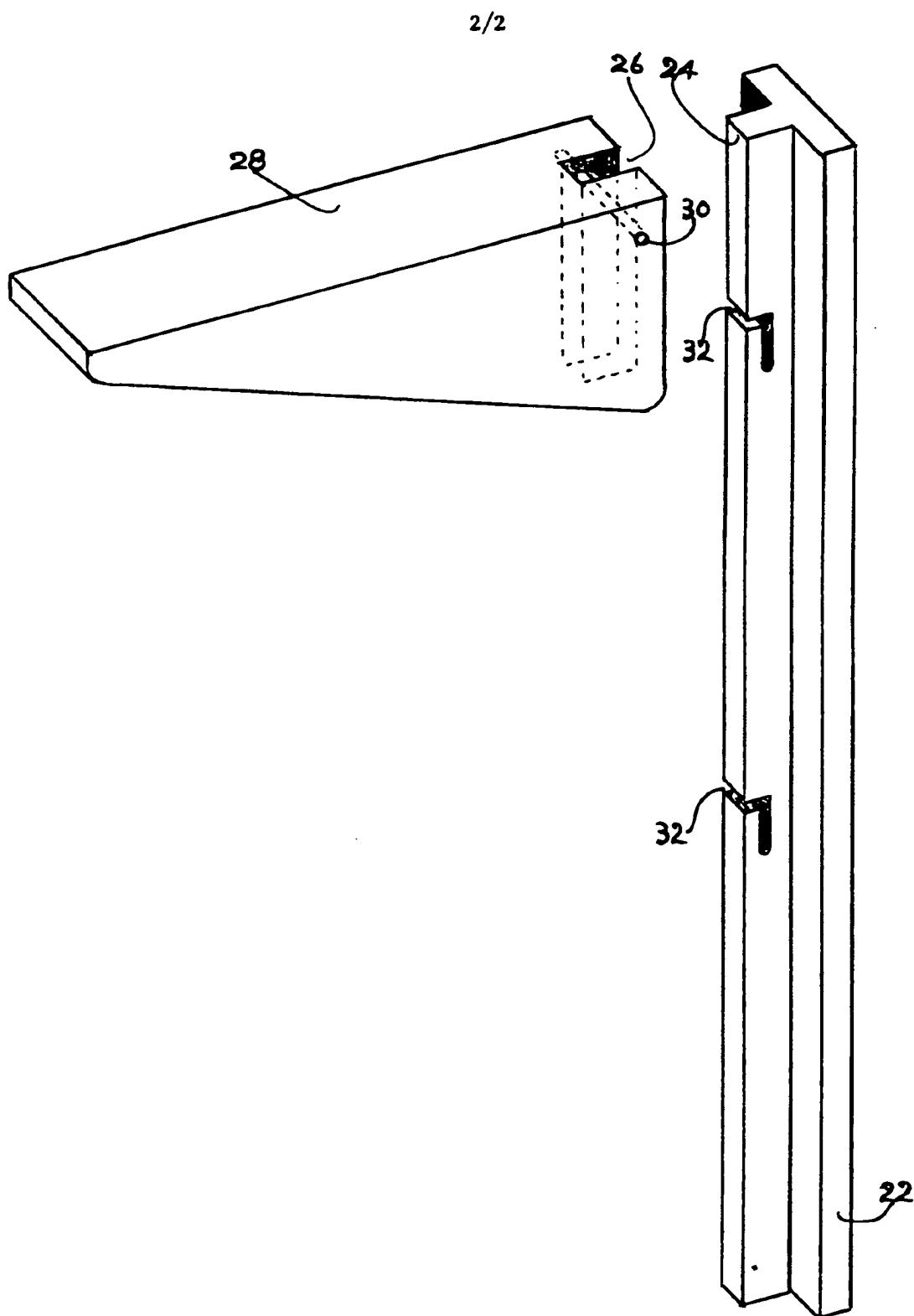


FIG 2

SPECIFICATION

Shelving system

5 This invention relates to a shelving system and in particular to a modular system presentable in the form of a kit.

Shelving systems are well known in the prior art these ranging from elaborate structures having a plurality of integers to simple rudimentary shelves. In a specification of this nature it is not possible to give any comprehensive review of the prior art.

According to the invention a shelving system includes an elongate element for mounting substantially vertically against a wall of similar upright structure and a support for a shelf member, the elongate element including a longitudinal formation for receiving in sliding relationship a complementally shaped groove formed in the support member, and the elongated element including one of more predetermined entry zones for receiving a shelf member.

In a preferred form of the invention the longitudinal formation comprises an elongate protuberance which is shaped complementally to a groove such that lateral displacement of the shelf member from the elongate element is prevented.

In one form of the invention the elongate protuberance preferably comprises a dove tail section ridge extending along the entire length of the elements. The groove is preferably complementally shaped and the entry zone is constituted by the ends of the elongate element.

In another form of the invention the longitudinal formation comprises a substantially rectangular in section ridge and the groove in the shelf member is complementally shaped. Preferably the ridge has spaced apart substantially L shaped entrant grooves for receiving pins which extend across the groove formed in shelf member.

The shelving system may be formed from wood or moulded from a polymeric material.

Embodiments of the invention are described by way of example with reference to the accompanying drawings in which:

45 Figure 1 is a perspective view of one embodiment of the invention; and

Figure 2 is a perspective view of another embodiment of the invention.

Referring to Figure 1 of the drawings a shelving system 10 comprises an upright 12 and a shelf support 14.

The upright 12 is an elongate element which may be fixed against a vertical surface such as a wall or the like (not seen in the drawings). A dove tail section ridge 16 extends throughout the length of the upright 12 for mating with a complementally shaped groove 18 formed in the shelf support. Optionally bores 20 may be formed in the ridge 16 and groove 18 for receiving a pin (not seen in the drawings) for locking the shelf support 14 on the upright 12.

The zone for the groove 18 to mate with ridge 16 is constituted by the ends of the upright 12.

Turning to Figure 2 an upright 22 has a rectangular

section ridge 24 extending throughout the length of the upright. A complementally shaped groove 26 is formed in a shelving support 28. A pin 30 is fixed across the groove 26 for seating in a substantially L shaped groove 32 formed in the ridge 24. The grooves 32 are spaced apart to receive a plurality of shelving supports 28.

An advantage of the invention is that the formations and grooves provide a firm anchorage for the shelving system. Furthermore the locking arrangements enable the shelving support to be anchored in a plurality of positions on the upright.

CLAIMS

1. A shelving system including an elongate element for mounting substantially vertically against a wall or similar upright structure and a support for a shelf member, the elongated element including a longitudinal formation for receiving in sliding relationship a complementally shaped groove formed in the support member, and the elongated element including one or more predetermined entry zones for receiving a shelf member.

2. A shelving system according to claim 1 in which the longitudinal formation comprises an elongate protuberance which is matable with the complementally shaped groove formed in the support member for resisting lateral displacement of the shelf member from the elongate element.

3. A shelving system according to claim 2 in which the protuberance comprises a ridge which is dove tail in section.

4. A shelving system according to claim 3 in which the entry zone is constituted by the ends of the elongate element.

5. A shelving system according to claim 2 in which the protuberance on the elongate element comprises a substantially rectangular in section ridge having a substantially L shaped entrant groove.

6. A shelving system according to claim 5 in which a pin extends across the groove formed in the shelf member, the pin being adapted for seating in the groove formed in the ridge section.

7. A shelving system substantially as herein described with reference to the accompanying drawings.

Printed in the United Kingdom for Her Majesty's Stationary Office, 8818935, 9/85, 18996. Published at the Patent Office, 25 Southampton Buildings, London WC2A 1AY, from which copies may be obtained.